

## Attachment 1 of CCR 4.

This attachment contains all changes to Release A & Ir1 requirements to maintain consistency with the Appendix both Release A and Release B 304 documents.

Revision A changes are replacement of  
 "SDPS Release A 304 document" with "current version of 304-CD-002" ,  
 "CSMS Release A 304 document" with "current version of 304-CD-003",  
 "Release B 304 document" with "current version of 304-CD-005".

C-HRD-16020	750	functional	A	The Enterprise Monitoring Server shall be capable of meeting characteristics of Appendix A of the current version of 304-CD-002.
C-HRD-16025	767	functional	A	The Local Management Server shall be capable of meeting the characteristics of Appendix A of the current version of 304-CD-003 configurations.
C-HRD-16030	772	functional	A	The Management Workstation shall be capable of meeting the characteristics of Appendix A of the current version of 304-CD-005.
C-HRD-16000	792	functional	A	The Enterprise Monitoring Server shall be capable of 100 per cent processing speed specified in Appendix A of the current version without modifications or upgrades to software.
C-HRD-16005	793	functional	A	The Enterprise Monitoring Server shall be capable of 100 per cent storage capacity specified in Appendix A of the current version without modifications or upgrades to software.
C-HRD-16010	794	functional	A	The Local Management Server shall be capable of 100 per cent processing speed specified in Appendix A of the current version without modifications or upgrades to software.
C-HRD-16015	795	functional	A	The Local Management Server shall be capable of 100 per cent storage capacity specified in Appendix A of the current version without modifications or upgrades to software.
C-HRD-26000	817	functional	A	The Enterprise Communications Server shall be capable of 100 per cent the processing speed specified in Appendix A of the current version without modifications or upgrade to software.
C-HRD-26005	819	functional	A	The Enterprise Communications Server shall be capable of 100 per cent the storage capacity specified in Appendix A of the current version without modifications or upgrade to software.
C-HRD-26010	827	functional	A	The Local Communications Server shall be capable of 100 per cent the processing speed specified in Appendix A of the current version without modifications or upgrade to software.

## CCR4-1 Appendix reference changes

paragraph_id	requirement_key	req_type	release	text
C-HRD-26015	828	functional	A	The Local Communications Server shall be capable of 100 p the storage capacity <u>specified in Appendix A of the current v</u> modifications or upgrade to software.
C-HRD-26020	838	functional	A	The Enterprise Communications Server shall be capable of n performance characteristics of Appendix A <u>of the current ve</u>
C-HRD-26025	843	functional	A	The Local Communications Server shall be capable of meetin characteristics of Appendix A <u>of the current version of 304-(</u>
C-HRD-26030	845	functional	A	The Bulletin Board Server shall be capable of meeting the ca characteristics of Appendix A <u>of the current version of 304-(</u>
C-HRD-36030	894	functional	A	The ISS shall provide sufficient local area network bandwidth support data transfer between and among physical nodes pr in accordance with the Release A network I/O sizing listed in <u>version of 304-CD-003.</u>
C-HRD-36040	895	functional	A	The ISS shall provide sufficient local area network bandwidth support data transfer between and among physical nodes pr in accordance with the Release A network I/O sizing listed in <u>version of 304-CD-003.</u>
C-HRD-36050	896	functional	A	The ISS shall provide sufficient local area network bandwidth support data transfer between and among physical nodes pr in accordance with the Release A network I/O sizing listed in <u>version of 304-CD-003.</u>
C-HRD-36060	897	functional	A	The ISS shall provide sufficient local area network bandwidth data transfer between and among physical nodes provided b accordance with the Release A network sizing listed in Appe <u>304-CD-003.</u>
S-IOS-00690	2838	functional	A	The ADSRV CI shall accept Search Requests as specified in <u>version of 304-CD-002 for Release A and as specified in Ap</u> of 304-CD-005 for Release B.
S-IOS-00700	2839	functional	A	The ADSRV CI shall accept Advertisement Requests as spec <u>current version of 304-CD-002 for Release A and as specific</u> version of 304-CD-005 for Release B.
S-IOS-00720	2841	functional	A	The ADSRV CI shall accept Advertisements as defined in A <u>of 304-CD-002 for Release A and as specified in Appendix</u> CD-005 for Release B.
S-DSS-01210	3367	functional	A	The SDSRV CI shall provide Request Status to a client, con Request, as specified in Appendix A <u>of the current version</u> and as specified in Appendix K <u>of the current version of 304-</u>

## CCR4-1 Appendix reference changes

paragraph_id	requirement_key	req_type	release	text
S-DSS-02900	3426	functional	A	The SDSRV CI shall provide processing services on ECS D the <u>current version of 304-CD-005</u> .
S-DSS-04035	3502	interface	A	The SDSRV CI shall supply the Data Products listed in App 304-CD-005 to the DDIST CI.
S-DSS-21365	3788	functional	A	The STMGT CI shall provide storage for the Data Products <u>current version of 304-CD-005</u> .
S-DSS-21366	3789	functional	A	The STMGT CI shall provide storage for the Metadata assoc listed in Appendix F <u>of the current version of 304-CD-005</u> .
S-DSS-30020	3808	functional	A	Distribution Requests shall have the format described in App of 304-CD-002 for Release A and as specified in Appendix <u>CD-005 for Release B</u> .
S-DSS-30030	3809	functional	A	The DDIST CI shall validate each Electronic Distribution Re conforms to that specified in Appendix A <u>of the current vers A and as specified in Appendix K of the current version of 3</u>
S-DSS-30060	3814	functional	A	The DDIST CI shall validate each Media Distribution Reque the format specified in Appendix A <u>of the current version of as specified in Appendix K of the current version of 304-CD</u>
S-DSS-30175	3826	functional	A	Status Requests shall have the format given in Appendix A <u>CD-002 for Release A and as specified in Appendix K of the for Release B</u> .
S-DSS-02000	3893	performanc e	A	The ACMHW CI shall be sized to support the bytes/second <u>of the current version of 304-CD-002 for Release A and the for Release B</u> on the electronic data distribution interfaces. ( electronic distribution)
S-DSS-02010	3894	performanc e	A	The ACMHW CI shall be sized to support the number of op Appendix E <u>of the current version of 304-CD-002 for Releas 304-CD-005 for Release B</u> .
S-DSS-60930	3895	functional	A	The ACMHW CI at the GSFC DAAC shall be capable of ing nominal rate specified in Sections E.2 & E.3 of Appendix E <u>CD-002</u> .
S-DSS-60940	3896	performanc e	A	The ACMHW CI at the GSFC DAAC shall be capable of ing that is three times the nominal rate specified in Sections E.2 <u>current version of 304-CD-002 for Release A and the current Release B</u> .
S-DSS-60950	3897	performanc e	A	The ACMHW CI at the GSFC DAAC shall be capable of ing nominal rate specified in Section E.4 of Appendix E <u>of the c for Release A and the current version of 304-CD-005 for Re</u>

## CCR4-1 Appendix reference changes

paragraph_id	requirement_key	req_type	release	text
S-DSS-61010	3899	performance	A	The ACMHW CI at the LaRC DAAC shall be capable of ing network data transfer at the nominal rate specified in Section <u>current version of 304-CD-002 for Release A and the current Release B.</u>
S-DSS-21700	3921	performance	A	The WKSHW CI shall be sized to temporarily store the num from Section E.1 of Appendix E <u>of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.</u>
S-DSS-21710	3922	performance	A	The WKSHW CI shall be sized to support a sustained I/O ra Appendix E <u>of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B</u> in bytes/second of data.
S-DSS-21720	3931	performance	A	The DRPHW CI shall be sized to support a sustained I/O rat from electronic distribution, where 1x production volume is Appendix E <u>of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.</u>
S-DSS-21730	3934	performance	A	The DRPHW CI shall be sized to permanently store and mai of product data derived from Appendix E (Section E.1) <u>of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.</u>
S-DSS-21740	3935	performance	A	The DRPHW CI shall be sized to permanently store and mai of record based data derived from Appendix E (Section E.1) <u>of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.</u>
S-DSS-30950	3961	performance	A	The DIPHW CI shall be sized to temporarily store the total r data derived from Section E.1 of Appendix E <u>of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.</u>
S-DSS-30960	3962	performance	A	The DIPHW CI shall be sized to support a sustained I/O rate for media distribution, where 1x production volume is deriv Appendix E <u>of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.</u>
S-DSS-90300	3963	performance	A	The DIPHW CI at the GSFC DAAC shall be capable of inge physical media agreed upon between ECS and Version 0, at Section E.45 of Appendix E <u>of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.</u>
S-DSS-90310	3964	performance	A	The DIPHW CI at the MSFC DAAC shall be capable of inge physical media agreed upon between ECS and Version 0, at Section E.4 of Appendix E <u>of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.</u>

## CCR4-1 Appendix reference changes

paragraph_id	requirement_key	req_type	release	text
S-DSS-90320	3965	performance	A	The DIPHW CI at the LARC DAAC shall be capable of ingesting physical media agreed upon between ECS and Version 0, at Section E.4 of Appendix E of the current version of 304-CI current version of 304-CD-005 for Release B.
S-DSS-01840	3985	performance	A	The Science Data Server shall accept and validate Data Request Section E.6 of Appendix E of the current version of 304-CI current version of 304-CD-005 for Release B.
S-DSS-01900	3991	performance	A	The Science Data Server shall be capable of receiving a combined Requests per hour (across ECS) from the Data Management Subsystem as derived from Section E.6 of Appendix E of the 002 for Release A and the current version of 304-CD-005 for Release B.
S-DSS-01910	3992	performance	A	The Science Data Server shall be capable of receiving a combined Browse Requests per hour (across ECS) from the Data Management Client Subsystem as derived from Section E.6 of Appendix E 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
S-DSS-01920	3993	performance	A	The Science Data Server shall support making pre-computed requester in 58 seconds after accepting and validating the request specified in Appendix E of the current version of 304-CD-005 for Release B.
S-DSS-01930	3994	performance	A	The Science Data Server and Science Management within the accepting and storing Data Products derived from Section E. version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B from the PRONG CI while supporting standard product reloads.
S-DSS-01940	3995	performance	A	The Science Data Server and Science Management within the ingesting product data at a maximum rate (three times the number of bytes per day specified in Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B from the PRONG CI until the backlog is processed retrieval and browse data access loads are suspended.
S-DSS-01950	3996	performance	A	The Science Data Server shall support distributing the number of requests derived from from Sections E.1 & E.3 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B support of production) by accepting and validating the number of requests from the PRONG CI derived from Sections E.1 & E.3 of Appendix E 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.

## CCR4-1 Appendix reference changes

paragraph_id	requirement_key	req_type	release	text
S-DSS-01960	3997	performance	A	The Science Management within the Data Server shall support per day derived from Sections E.1 & E.3 of Appendix E of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B (in support of production) by retrieving and staging the number of PRONG CI derived from Sections E.1 & E.3 of Appendix E of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
S-DSS-10320	4002	performance	A	The Document Data Server shall accept and validate the number of hours derived from Section E.6 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
S-DSS-10350	4005	performance	A	The Document Data Server shall be capable of receiving a maximum of 100 orders per hour as derived from Section E.6 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B from the Data Management Subsystem and/or the Client Subsystem.
S-DSS-10360	4006	performance	A	The Document Data Server shall be capable of accepting and processing data at a nominal rate derived from Section E.1 of Appendix E of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B external clients while supporting standard data retrieval and processing.
S-DSS-21520	4009	performance	A	The Science Management within the Data Server shall be capable of processing a maximum number of Data Requests per hour (across ECS) from the Data Management Subsystem and/or the Client Subsystem as derived from Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
S-DSS-21570	4011	performance	A	The Science Management within the Data Server shall have the capability to process 100 TB of data derived from Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
S-DSS-30890	4025	performance	A	The Data Distribution within the Data Server shall be capable of processing 100 TB of data per day derived from Section E.6 Table E-6 of Appendix E of the current version of 304-CD-002 to TSDIS (for the purpose of reproducible research).
S-INS-00990	4166	performance	A	The ICLHW CI at the LaRC DAAC shall be capable of ingesting data at a nominal daily rate specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A and Tables E-3a and E-3b of Appendix E of the current version of 304-CD-005 for Release B.
S-INS-01000	4167	performance	A	The ICLHW CI at the LaRC DAAC shall be capable of ingesting data at a maximum daily rate that is three times the nominal rate specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A and Table E-3 of the current version of 304-CD-005 for Release B.

## CCR4-1 Appendix reference changes

paragraph_id	requirement_key	req_type	release	text
S-INS-01030	4168	performance	A	The ICLHW CI at the LaRC DAAC shall be capable of ingesting data at a nominal daily rate specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A and Tables E-3a and E-3b of Appendix E of the current version of 304-CD-005 for Release B.
S-INS-01050	4169	performance	A	The ICLHW CI at the MSFC DAAC shall be capable of ingesting data at a nominal daily rate specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A and Tables E-3a and E-3b of Appendix E of the current version of 304-CD-005 for Release B.
S-INS-01060	4170	performance	A	The ICLHW CI at the MSFC DAAC shall be capable of ingesting data at a maximum daily rate that is three times the nominal rate specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A and Tables E-3a and E-3b of Appendix E of the current version of 304-CD-005 for Release B.
S-INS-01070	4171	performance	A	The ICLHW CI at the MSFC DAAC shall be capable of ingesting data at a nominal daily rate specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A and Tables E-3a and E-3b of Appendix E of the current version of 304-CD-005 for Release B.
S-INS-01080	4172	performance	A	The ICLHW CI at the MSFC DAAC shall be capable of ingesting data at a maximum daily rate that is three times the nominal rate specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A and Tables E-3a and E-3b of Appendix E of the current version of 304-CD-005 for Release B.
S-DPS-60240	4685	performance	A	The SPRHW CI shall support a total processing requirement of 100 MB/s (Appendix E Section E.1) of Appendix E of the current version of 304-CD-002 for Release A and Appendix E of the current version of 304-CD-005 for Release B.
S-DPS-60250	4686	performance	A	The SPRHW CI shall be able to support a data volume (GB/s) of 100 (Appendix E Table 1 (Appendix E Section E.1) of Appendix E of the current version of 304-CD-002 for Release A and Appendix E of the current version of 304-CD-005 for Release B.
S-INS-01136	4937	performance	A	The ICLHW CI at the GSFC DAAC shall be capable of ingesting data at a nominal daily rate specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A and Tables E-3a and E-3b of Appendix E of the current version of 304-CD-005 for Release B.
S-INS-01138	4938	performance	A	The ICLHW CI at the LaRC DAAC shall be capable of ingesting data at a nominal daily rate specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A and Tables E-3a and E-3b of Appendix E of the current version of 304-CD-005 for Release B.
S-INS-01142	4939	performance	A	The ICLHW CI at the LaRC DAAC shall be capable of ingesting data at a nominal daily rate specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A and Tables E-3a and E-3b of Appendix E of the current version of 304-CD-005 for Release B.

CCR4-1 Appendix reference changes

paragraph_id	requirement_key	req_type	release	text
S-DSS-04037	4945	interface	A	The SDSRV CI shall supply the Metadata associated with the Appendix F <u>of the current version of 304-CD-005</u> to the DD